

ABSTRACT**A camera tracking system for a virtual television or video studio**

The invention relates to a camera tracking system for a virtual television or video studio, used to determine the position and/or orientation of recording cameras and comprising at least three emitter devices for emitting electromagnetic radiation, which emitter devices can be mechanically coupled to the recording camera. The camera tracking system further comprises at least detecting devices for detecting the position of the emitter devices on the basis of the electromagnetic radiation emitted by said emitter devices, each detecting device being able to detect several emitter devices. A computer unit evaluates the electromagnetic radiation detected by the detecting devices and emitted by the emitter device, and determines the position and/or orientation of the at least three emitter devices in relation to the at least two detecting devices.